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PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

### ATTIVITY PATENT APPLICATION TRANSMITTAL  ### (Only for new nonprovisional applications under 37 CFR 1.53(b))  ### Computer Programment of the Presence of Human Paylication and Paylication Paylication Paylication Paylication Paylication Paylication Paylication Paylication Paylicatio	Under the Paperwork Reduction Act of 1995, no persons are required to respo	nd to a collection of information unless it displays a valid OMB control number				
TRANSMITTAL  (Conly for now nonprovisional applications under 37 CFR 1.53(b))  Express Mail Label No.   EU638683243US   Express Mail Label No.   Ev638683243US   Express Mail Label No.   Ev68863243US   Express Mail Label No.   Ev6886324   Ev6886324		Attorney Docket No. GP087-04.CN1				
Conly for new nonprovisional applications under 37 CFR 1.53(b)   Express Mail Label No.   EUG38683243US   Express Mail Label No.   EUG3813-1450   E	PATENT APPLICATION	First Inventor GORDON et al.				
APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application contents.  I.	TRANSMITTAL					
ADDRESS TO: Commissioner for Patents   P.O. Box Nest	(Only for new nonprovisional applications under 37 CFR 1.53(b))					
Alexandria, VA 22313-1450	APPLICATION ELEMENTS	Mail Stop Patent Application  ADDRESS TO: Commissioner for Patents, P.O. Box 45				
Computer Programs (Appendix) See 37 CFR 1.27.  3. V Specification Consulter Programs (Appendix) See 37 CFR 1.27.  3. V Specification Consulter Programs (Appendix) Consulter Programs (Appendix) Consulter Programs (Appendix)  Descriptive title of the invention Consulter of the invention Brief Summary of the Invention Brief Summary of the Invention Brief Summary of the Invention Claim(s) Claim(s) Claim(s) Claim(s) Claim(s) Copy from a prior application (37 CFR 1.33 (d)) Copy from a prior application (43 CFR 1.36 (d)) Copy from a prior application, see 37 CFR 1.63 (d) Copy from a prior application, see 37 CFR 1.63 (d) Copy from a prior application of the Signed statement attached setting inventor in an Application Data Sheet. See 37 CFR 1.76  Application Data Sheet. See 37 CFR 1.76  B. Nucleotide and/or Amino Add Sequence Submission (if applicable) all necessary) a. Computer Readable Form (CRF)  D. Specification Copy from CCPP. (2 copies): or i. CD-ROM or CD-R (2 copies): or ii. CD	See MPEP chapter 600 concerning utility patent application contents.	Alexandria, VA 22313-1450				
Accompton Acid Sequence Submission (if applicable, and is sequence Submission (if applicable, all necessary)    Specification						
Specification  Observative title of the invention  Cross Reference to Related Applications Statement Regarding Fed sponsored R & D Reference to Sequence (sling, at abble, or a computer program Issing appendix Brief Description Prior Summary of the Invention Brief Description of the Drawings (if filed) Detailed Description Claim(s) Abstract of the Disclosure  Image: Copy of Previously Recorded Assignment (6 pgs.)  Declaration & Power of Altorney  Total Pages  Image: Copy of Previously Recorded Assignment (6 pgs.)  Declaration & Power of Altorney  Total Pages  Image: Copy of Previously Recorded Assignment (6 pgs.)  Declaration & Power of Altorney  Total Pages  Image: Copy of Previously Recorded Assignment (6 pgs.)  Declaration & Power of Altorney  Total Pages  Image: Copy of Previously Recorded Assignment (6 pgs.)  Newly executed toriginal or copy)  Image: Copy of Previously Recorded Assignment (6 pgs.)  Newly executed toriginal or copy)  Image: Copy of Previously Recorded Assignment (6 pgs.)  Newly executed toriginal or copy)  Image: Copy of Previously Recorded Assignment (6 pgs.)  Declaration & Power of Altorney  Image: Copy of Previously Recorded Assignment (6 pgs.)  Image: Copy of Prev	2. See 37 CFR 1,27.	8. Nucleotide and/or Amino Acid Sequence Submission				
- Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Description of the Drawings (if filed) - Detailed Description of the Drawings (if filed) - Detailed Description of the Disclosure - Abstract - Abstract of the Disclosure - Abstract of the Disclosure - Abstract - Ab	[ Total ages ] [ ]	Computer Deadable Form (CDE)				
- Statement Regarding Fed sponsored R.B.D Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Claim(s) - Abstract of the Disclosure - Abstract of the Disclosure - Abstract of the Disclosure - Computer Program Insting appendix - Abstract of the Disclosure - Claim(s) - Abstract of the Disclosure - Computer Program Insting appendix - Copy from a prior application (57 CFR 1.63 (d)) - Declared Description - Declared Description - Claim(s) - Declared Description - Claim(s) - Copy from a prior application (57 CFR 1.63 (d)) - Declared Description - Declared Description - Declared Description - Declared Description - Continuation Divisional with Box 18 completed) - Declared Description - Des		b. Specification Sequence Listing on:				
or a computer program listing appendix  Background of the Invention  Firef Description of the Drawings (if filed)  Detailed Description  Abstract of the Disclosure  A. Drawing(s) (35 U.S.C. 113) [ Total Sheets 2 ]  Declaration 8 Power of Altorney [ Total Pages 3 ]  Newly executed (original or copy)  Copy from a prior application (37 CFR 1.63 (d))  (for continuation/divisional with Box 18 completed)  i. DELETION OF INVENTOR(S)  Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.53 (d)) and 1.33(b). Application Data Sheet under 37 CFR 1.76:  Application Data Sheet under 37 CFR 1.76:  Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation-in-part (cip)  Prior application Data Sheet under 37 CFR 1.76:  Continuation Data Sheet under 37 CFR 1.7		i. CD-ROM or CD-R (2 copies); or				
- Background of the Invention - Brief Summary of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure  4.		ii. 🗹 paper [Total Pages 45]				
- Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure  4.	- Background of the Invention	c. Statements verifying identity of above copies (2 pgs				
- Detailed Description - Claim(s) - Claim(s) - Abstract of the Disclosure  4.	- Brief Summary of the Invention	ACCOMPANYING APPLICATION PARTS				
- Abstract of the Disclosure  4.		9. Copy of Previously Recorded Assignment (6 pgs.)				
4.    Drawing(s) (35 U.S.C. 113)      Total Sheets						
5. Declaration & Power of Attorney	4. (V) Diawing(s) (35 0.3.0. 113) [ Total Streets]	11. English Translation Document (if applicable)				
a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63 (d)) b. Copy from a prior application (37 CFR 1.63 (d)) c. DELETION OF INVENTOR(S) signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:    Continuation   Divisional   Continuation   Continua	5. Declaration & Power of Attorney [ Total Pages 3 ]	112   Information bisclosure Statement   150 00 %				
b. Copy from a prior application (37 CFR 1.63 (d))  i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63 (d)(2) and 1.33 (b).  6. Application Data Sheet. See 37 CFR 1.76  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation-in-part (CIP) Prior application Indivisional Continuation or divisional application and in a preliminary amendment, or in an Application application application information:  Examinar Fredman, J.  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application No. 08 / 749,955  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  City  Customer Number or Bar Code Label  Name  Patent, Trademark office  Address  City  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)  15. Certified Copy of Priority Document(s) (if foreign priority is claimed)  16. Nonpublication Request under 35 U.S.C. 122 (Nonpublication Request under 35 U.S.C. 122 (Nonpublication Request under 35 U.S.C. 122 (Other: Specification Request under 35 U.S.C. 122 (Division Request under 35 U.S.C. 122 (Other: Specification Request under 35 U.S.C. 122 (Division Request under 35 U.S.C. 122 (Other: Specification Request under 35 U.S.C. 122 (Division Request und		(pgs.) a 3D/00 (pgs. in dap.)				
i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:  Continuation Data Sheet under 37 CFR 1.76:  To Continuation Data Sheet under 37 CFR 1.76:  Continuation Data Sheet under 37 CFR 1.76:  Continuation Data Sheet under 37 CFR 1.76:  To Continuation Data Sheet under 37 CFR 1.76:  Continuation No. (and the preliminary amendment, or its equivalent.  17. Under Specification Cover Sheet (1.pg.).  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or its equivalent.  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite info	Copy from a prior application (37 CFR 1.63 (d))	Return Receipt Postcard (MPEP 503)				
named in the prior application, see 37 CFR  1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:    Continuation   Divisional   Continuation-in-part (CIP)   of prior application No.: 08 / 749,955	i. DELETION OF INVENTOR(S)	· · · · · · · · · · · · · · · · · · ·				
1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:    Continuation   Divisional   Continuation-in-part (CIP)   Of prior application No.: 08 , 749,955     Prior application information:   Examiner   Fredman, J.   Group Art Unit: 1637     For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS    Correspondence address below   Correspondence address below		Monnyblication Poquest under 25 H S C 122				
6. Application Data Sheet. See 37 CFR 1.76  17. Other: Specification Cover Sheet (1,1 pg.).  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:    Continuation   Divisional   Continuation-In-part (CIP)   of prior application No.: 08, 749,955   Prior application Information: Examiner Fredman, J. Group An Unit: 1637   For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, its considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS    Customer Number or Bar Code Label   Correspondence address below	1.63(d)(2) and 1.33(b).	(b)(2)(B)(i). Applicant must attach form PTO/SB/35				
or in an Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation-In-part (CIP) of prior application No.: 08, 749,955  Prior application information: Examiner Fredman, J. Group Art Unit: 1637  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  Customer Number or Ber Code Label  Name  21365  PATENT_TRADEMARK OFFICE  Address  City State Zip Code  Country Telephone Fax  Name (Print/Type) Charles B. Cappellari Registration No. (Attorney/Agent) 40,937	6. Application Data Sheet. See 37 CFR 1.76					
Continuation Divisional Continuation-in-part (CIP) of prior application No.: 08 / 749,955  Prior application information: Examiner Fredman, J. Group Art Unit: 1637  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  Customer Number or Bar Code Label Correspondence address below  Name  21365  PATENT TRADEMARK OFFICE  Address  City State Zip Code  Country Telephone Fax  Name (Print/Type) Charley B. Cappellari Registration No. (Attorney/Agent) 40,937						
Prior application information: Examiner Fredman, J. Group Art Unit: 1637  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS    V		09 740 055				
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Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  Customer Number or Bar Code Label  Correspondence address below  Name  21365  PATENT_TRADEMARK OFFICE  Address  City  State  Zip Code  Country  Telephone  Fax  Name (Printl/Type)  Charles B. Cappellari  Registration No. (Attorney/Agent)  40,937						
Correspondence address below  Name  21365  PATENT_TRADEMARK OFFICE  Address  City  State  Zip Code  Country  Telephone  Fax  Name (Printl/Type)  Charles B. Cappellari  Registration No. (Attorney/Agent)  40,937	Box 5b, is considered a part of the disciosure of the accompanying continuation or divisional application and is hereby incorporated by reference.					
Name  21365  PATENT TRADEMARK OFFICE  Address  City  State  Zip Code  Country  Telephone  Fax  Name (Print/Type)  Charles B. Cappellari  Registration No. (Attorney/Agent)  40,937	19. CORRESPONDENCE ADDRESS					
Name  21365  PATENT TRADEMARK OFFICE  Address  City  State  Zip Code  Country  Telephone  Fax  Name (Print/Type)  Charles B. Cappellari  Registration No. (Attorney/Agent)  40,937	Customer Number or Bar Code Label	Correspondence address below				
Address City State Country Telephone Fax  Name (Printl/Type) Charles B. Cappellari Registration No. (Attorney/Agent) 40,937						
Address City State Zip Code Country Telephone Fax  Name (Printl/Type) Charles B. Cappellari Registration No. (Attorney/Agent) 40,937	2130					
Country    State   Zip Code		)				
Country Telephone Fax  Name (Print/Type) Charles B. Cappellari Registration No. (Attorney/Agent) 40,937		State Zip Code				
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1 1/2. 1 1	Name (Print/Type) Charles B. Cappellari	Registration No. (Attornev/Agent) 40.937				
	Signature Ulb S	Date June 23, 2003				

Burden Hour Statement: This form is estimated to take 9.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



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900 Request for expedited examination

SUBTOTAL (3)

of a design application

Other fee (specify) Statutory Disclaimer 37 CFR § 1.20(d)

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FEE TRANSMITTA	L	Appli	cation	Numb	er To Be Assigned	
for FY 2003			Date		June 23, 2003	
			First Named Inventor		ntor GORDON et al.	GORDON et al.
Effective 01/01/2003. Patent fees are subject to annual revision	1.	Examiner Name		lame	To Be Assigned	
Applicant claims small entity status. See 37 CFR 1.27		Art Unit			To Be Assigned	
TOTAL AMOUNT OF PAYMENT (\$) 750	0.00	Attorr	ney Do	cket N	lo. GP087-04.CN1	
METHOD OF PAYMENT (check all that apply)				FE	E CALCULATION (continued)	
Check Credit card Money Other None		DDIT				
Deposit Account:  Deposit Account  O7-0835	Fee Cod		Fee Code	Fee (\$)	Fee Description	Fee Paid
Number	1051	130	2051	65	Surcharge - late filing fee or oath	
Deposit Gen-Probe Incorporated	1052	2 50	2052	25	Surcharge - late provisional filing fee or	

1053 130 1053 130 Non-English specification

Charge fee(s) indicated below Credit any overpayments		2,520	1812 2	2,520	For filing a request for ex parte reexamination	
Charge any additional fee(s) required under 37 CFR 1.16 and 1.17	1804	920*	1804		Requesting publication of SIR prior to Examiner action	
during the entire pendency of this application		1,840*	1805	1,840*	Requesting publication of SIR after	
o the above-identified deposit account.			1		Examiner action	<del></del> i
FEE CALCULATION	1251	110	2251		Extension for reply within first month	
I. BASIC FILING FEE	1252	410	2252	205	Extension for reply within second month	
arge Entity Small Entity	1253	930	2253	465	Extension for reply within third month	
Fee Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254	1,450	2254	725	Extension for reply within fourth month	
1001 750 2001 375 Utility filing fee 750	1255	1,970	2255	985	Extension for reply within fifth month	<del></del>
750 1002 330 2002 165 Design filing fee	1401	320	2401	160	Notice of Appeal	
1003 520 2003 260 Plant filing fee	1402	320	2402	160	Filing a brief in support of an appeal	
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 750		110	2452	55	Petition to revive - unavoidable	
		1,300	2453	650	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1,300	2501	650	Utility issue fee (or reissue)	
Extra Claims below Fee Paid	1502	470	2502	235	Design issue fee	
Total Claims 19 -20** = 0 X 18 = 0	1503	630	2503	315	Plant issue fee	
Independent 1 - 3** = 0 x 84 = 0	1460	130	1460	130	Petitions to the Commissioner	
Multiple Dependent		50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity   Small Entity	1806	180	1806	180	Submission of Information Disclosure Stmt	
Fee	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1202 18 2202 9 Claims in excess of 20	1809	750	2809		Filing a submission after final rejection	
1201 84 2201 42 Independent claims in excess of 3					(37 ČFR 1.129(a))	
1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1204 84 2204 42 ** Reissue independent claims over original patent	1801	750	2801	375	Request for Continued Examination (RCE)	

SUBMITTED BY	1100		(Complete (if applicable)	Ξ
Name (Print/Type)	Charles B. Cappellari	Registration No. (Attorney/Agent) 40,937	Telephone 858-410-8927	
Signature	11/16/11		Date June 23, 2003	

\*Reduced by Basic Filing Fee Paid

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Reissue claims in excess of 20

(\$)

and over original patent

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SUBTOTAL (2)

\*\*or number previously paid, if greater; For Reissues, see above

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This collection of information is required by 37 CFR 117 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.